

## ABSTRACT

The present invention can provide an antireflection film improved in the scratch resistance while having a sufficiently high antireflection property, and a polarizing plate and a display device using the antireflection film, the antireflection film comprising: a transparent support; and as an outermost layer, a low refractive index layer containing a fluorine-containing polymer, wherein the low refractive index layer comprises at least one inorganic fine particle having an average particle size of 30 to 100% of the thickness of the low refractive index layer; the polarizing plate using the antireflection film for one of two protective films of a polarizer in the polarizing plate; and the image display device using the antireflection film or polarizing plate for the outermost surface of the display.

1 FEB 2005

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property  
Organization  
International Bureau



524 590

(43) International Publication Date  
26 February 2004 (26.02.2004)

PCT

(10) International Publication Number  
**WO 2004/017105 A1**

(51) International Patent Classification<sup>7</sup>: **G02B 1/11,**  
B32B 27/30

(21) International Application Number:  
PCT/JP2003/010359

(22) International Filing Date: 14 August 2003 (14.08.2003)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:  
2002-237043 15 August 2002 (15.08.2002) JP  
2003-122686 25 April 2003 (25.04.2003) JP

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(81) Designated States (*national*): AE, AG, AL, AM, AT, AU,  
AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU,  
CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH,  
GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC,  
LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW,  
MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC,  
SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA,  
UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

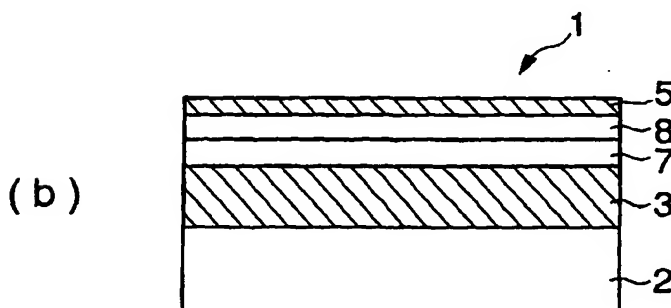
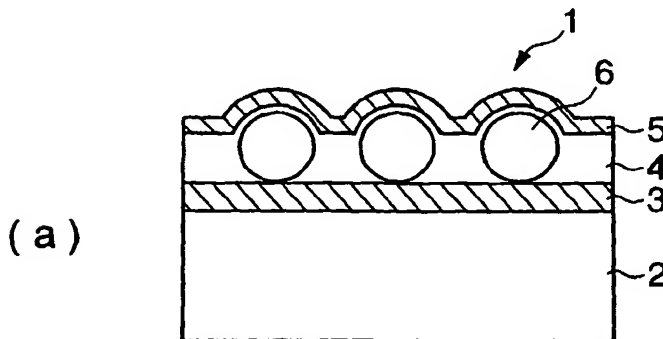
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(84) Designated States (*regional*): ARIPO patent (GH, GM,  
KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW),

[Continued on next page]

(54) Title: ANTIREFLECTION FILM, POLARIZING PLATE AND IMAGE DISPLAY DEVICE



(57) **Abstract:** The present invention can provide an antireflection film improved in the scratch resistance while having a sufficiently high antireflection property, and a polarizing plate and a display device using the antireflection film, the antireflection film comprising: a transparent support; and as an outermost layer, a low refractive index layer containing a fluorine-containing polymer, wherein the low refractive index layer comprises at least one inorganic fine particle having an average particle size of 30 to 100% of the thickness of the low refractive index layer; the polarizing plate using the antireflection film for one of two protective films of a polarizer in the polarizing plate; and the image display device using the antireflection film or polarizing plate for the outermost surface of the display.

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